

20030422.qrp v02_n898.qrl.20030422

Date: Tue, 22 Apr 2003 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2898

QRP-L Digest 2898

Topics covered in this issue include:

- 1) [149363] "5 channel Scope" is NOT 5 unique channels
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [149364] Re: Psk-31 interfaces
by Dave Fouchey <dafouchey@comcast.net>
- 3) [149365] For Sale K0FRP
by "al dawkins" <alk0frp@attbi.com>
- 4) [149366] Re: Varactors and Mundane Parts
by "Nick Kennedy" <nkennedy@tcainet.net>
- 5) [149367] Faulty Electrolytics in past year
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [149368] Balanced line losses
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [149369] FS: 10 turn pots and dial
by "Howard Kraus" <K2UD@adelphia.net>
- 8) [149370] RE: Psk-31 interfaces
by "K8YS/N8LBR" <jbcraft@adelphia.net>
- 9) [149371] QRPTTF Riley Travel Guide
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- 10) [149372] 30mtr WIRE / ROPE ANT
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- 11) [149373] Re: [HFpack] Re: Diamond (& Comet?) UHF-base antenna mount problem
by "KXBill" <w7kxb@cox.net>
- 12) [149374] Re: 4.915 MHz Matched Crystals
by "Nick Kennedy" <nkennedy@tcainet.net>
- 13) [149375] QRPTTF - Logging Camp
by Randy Foltz <rfoltz@turbonet.com>
- 14) [149376] Re: Psk-31 interfaces
by Alex <kr1st@amsat.org>
- 15) [149377] QRPTTF Plans for Various Groups
by "Doug Hendricks" <ki6ds@dospalos.org>
- 16) [149378] Riley Pictures
by "Doug Hendricks" <ki6ds@dospalos.org>
- 17) [149379] Re: QRPTTF - Logging Camp
by "Doug Hendricks" <ki6ds@dospalos.org>
- 18) [149380] Re: QRPTTF Riley Travel Guide
by "Brian P. Mileschosky" <n5zgt@swcp.com>
- 19) [149381] Re: QRPTTF Plans for Various Groups

- by "Merton Nellis" <mertnellis@msn.com>
- 20) [149382] Re: QRPTTF Plans for Various Groups
by Brian Short <bshort4@cox.net>
- 21) [149383] Trade: Heath HD-15 Phone Patch
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 22) [149384] QRPTTF
by Dave Hottell <hottell@gulftel.com>
- 23) [149385] Re: QRPTTF Plans for Various Groups
by "Rod N0RC" <rod@n0rc.us>
- 24) [149386] modified WIRE ROPE ANTENNA
by hamjoel@juno.com
- 25) [149387] Hamvention Rooms
by Hank Kohl K8DD <k8dd@arrl.net>
- 26) [149388] RE: Behringer MX602A mixer/equalizer, details?
by "Tom Scott" <tomrscott@sterlink.net>
- 27) [149389] [FT817] Stuff for Sale
by "JessMX5" <jessmx5@earthlink.net>
- 28) [149390] RE: Psk-31 interfaces
by John R Kirby <n3aaz-qrp@juno.com>
- 29) [149391] Michigan QRP Net
by kwiike@gdls.com
- 30) [149392] QRPTTF Plans for Various Groups
by Wayne_W5KDJ <w5kdj@juno.com>
- 31) [149393] K1 extras For Sale
by Wayne_W5KDJ <w5kdj@juno.com>
- 32) [149394] Re: 4.915 MHz Matched Crystals
by "Lee Mairs" <lmairs@direcway.com>
- 33) [149395] FS: K8IQY Precision VXO Kit
by "KB9BVN" <brian@iquest.net>
- 34) [149396] Re: 2m transmitter, was: T-line stub as resonator
by "Sverre Holm - LA3ZA" <la3za@qsl.net>
- 35) [149397] Re: QRP-L digest 2897
by anthony@pacinfosb.com
- 36) [149398] [FT817] Stuff for sale
by "JessMX5" <jessmx5@earthlink.net>
- 37) [149399] Re: QRP-L digest 2897
by "William D. Rugg, Jr." <bill.rugg@comcast.net>
- 38) [149400] MVAM109 Varactor Diodes
by "w8diz" <w8diz@fpqrp.com>
- 39) [149401] Re: Balanced line question
by Jerry Lofstead <w3cde@bellsouth.net>
- 40) [149402] Re: 2m transmitter, was: T-line stub as resonator
by "Ian Wilson" <ianmwilson@earthlink.net>
- 41) [149403] Riley the First Time, A QRP Adventure
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 42) [149404] Re: T-line stub etc, was: Re: QRP-L digest 2897
by "Ian Wilson" <ianmwilson@earthlink.net>
- 43) [149405] Re: Balanced line question

- by Alex <kr1st@amsat.org>
- 44) [149406] New DL-QRP-AG Sparrow, english manual ready
by "Peter Zenker" <DL2FI@t-online.de>
- 45) [149407] Re: Balanced line question
by Dave Hottell <hottell@gulftel.com>
- 46) [149408] Re: Balanced line question
by Alex <kr1st@amsat.org>
- 47) [149409] re:more on ads
by brewerj@squared.com
- 48) [149410] QRPp Books For Sale
by "Gordon Saunders" <kw4cz@triad.rr.com>
- 49) [149411] Very Bizarre Hamvention Fun
by "KB9BVN" <brian@iquest.net>
- 50) [149412] Riley the First Time, A QRP Adventure
by "n2cx" <n2cx@voicenet.com>
- 51) [149413] Re: T-line stub etc, was: Re: QRP-L digest 2897
by "Karl" <kkanalz@gcecisp.com>
- 52) [149414] Re: Balanced line question
by "George, W5YR" <w5yr@att.net>
- 53) [149415] Re: T-line stub etc, was: Re: QRP-L digest 2897
by "Ian Wilson" <ianmwilson@earthlink.net>
- 54) [149416] For Sale = Norcal 20 rig
by "Doc K0EVZ" <dock0evz@earthlink.net>

Date: Mon, 21 Apr 2003 17:57:22 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <michael@aa5sh.com>, <qrp-l@Lehigh.EDU>
Subject: [149363] "5 channel Scope" is NOT 5 unique channels
Message-ID: <05e201c30859\$5e595450\$4e100a0a@rohredt2000>

Mike,

The manufacturer of that scope is bending the truth. Looking at the front left of the scope you see only two BNC input vertical amplifiers. That means this is a 2 channel Scope by accepted industry wide standards.

Now, they "may" be able to display besides those two channels, the same two channels modified by delays, that would be four traces. And if they delay one trace by the other, that "might" be how they claim five. But, it is only two unique signals.

The maximum independent channels scopes had of this vintage were the four channel scopes from Philips, and some others.

72,

Stuart K5KVH

Old instrument calibration guru

Date: Mon, 21 Apr 2003 18:56:30 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149364] Re: Psk-31 interfaces
Message-ID: <5.2.1.1.2.20030421185418.00a1f8c0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Karl I use the Rig Blaster Plus and like it quite well. Easy to set up and use.

Using it with an Alinco DX77TH and a Pentium 2 class PC with Sound blaster audio card.

Works fine, no glitches and easy to set levels to.

Dave
WA4EMR

At 01:59 PM 4/21/03 -0600, Karl F. Larsen wrote:

> I would like to know how the store bought interfaces you use for
>psk-31 are working. I looked in the new AES catalog and found the one
>MFJ makes and the West Mountain Radio Rigblaster people make several
>units.

>
> If you have used one of these please just reply to me which one
>and how well it works for you. If your like me and make all your own
>interfaces don't comment...:-)

>
>--

>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 21 Apr 2003 17:40:56 -0600
From: "al dawkins" <alk0frp@attbi.com>
To: <qrp-l@lehigh.edu>, <cqclist@yahooogroups.com>
Subject: [149365] For Sale K0FRP
Message-ID: <003201c3085f\$74e1db60\$0200a8c0@aloffice>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need Cash !!!

I built this ZM-2 in 1998 as shown on the CQC web site.
The kit was built NOT to Emtech front panel style. Coax and tuned feeder
are in the back. Only one flaw is the tune and operate switch is backwards.
Tune is operate and operate is tune. New in kit form \$60 or built \$90 sell
New low price
\$60 plus \$5 S/H.

See it on the CQC Website

<http://www.cqc.org/gallery/zm2tuner/index.htm>

Sell a Icom IC-290H Multimode FM-SSB-CW 25 or 1 watts. Not sub-tones on FM
with mobile bracket mike and manual. Works great Selling for \$275 to \$300
on swap lists
New low price
Sell \$190 Plus \$10 S/H

<http://www.rigpix.com/icom/ic290h.htm>

Also have a AEA PK-232 with MBX daughterboard. Upgrade to DSP and new
daughterboard for \$142 and add a PSK 31 interface for \$69. With all manuals
cables and old software. Newer software is better. manual and original box
New Low price
\$75 plus \$5 S/H

<http://www.timewave.com/amprods.html>

Also have an old AEA CP-1 originally used with a Commador 64 for RTTY and
CW. My first CW keyboard. Used this for my first 99 wpm CW to CW CP-1 to
CP-1 QSO. Now there are mods to add a RS 232 interface for use with modern
computers using it for RTTY and CW. Put in a new RTTY demod makes it good
for Packet

I have all the mods or available on the web.

Make me an offer ????

<http://www.angelfire.com/fl3/technicothica/cp1mods.html>

MS-15 Steve Weber 15 M XCVR. In a Ten Tec Box

10 turn pot. Covers low end of the CW band up to 21.063. 4 watts OUT

\$70 plus \$5 S/H No PIX but I could get one.

Al K0FRP

Date: Mon, 21 Apr 2003 18:50:09 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <alihernlem@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149366] Re: Varactors and Mundane Parts
Message-ID: <006501c30871\$827c0b80\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Ah, good clean fun--measuring junction capacitances. Hard to resist.

I tried a 1N4004. Got pf at (volts) of 13.25 (1), 10.48 (2), 7.45 (5), 5.63 (10), and 4.30 (20)

and a 1N4848 turned out 0.85 (1), 0.75 (5), 0.69 (10)

You could do a little tuning with the 1N4004. Just really fine tweaking with the 1N4848 ... it stretches the accuracy limits of my measuring setup also.

The measuring scam, I mean scheme was ...

AADE L/C IIB, a 0.22 mono cap under each binding post, a 470 k resistor soldered in line with each cap. Leads from the variable PS to the resistors. Then the tested diode is laid across the junction of the cap/resistor junctions and tack soldered, cathode band toward positive. Everything is sort of supported in air by its rigidity ...

Didn't try a transistor. That would be academic (and hard to measure), I guess, since manufacturers strive to keep those numbers low. Right, Mr. Miller? Now to measure some real varactors.

72--Nick, WA5BDU

----- Original Message -----

From: "Brad Hernlem" <alihernlem@hotmail.com>

>

> Anyway, I am wondering whether anyone has compiled a table of data for
> capacitance of reverse biased PN junctions in some ordinary parts

Date: Mon, 21 Apr 2003 18:52:55 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <rsstone@juno.com>, <qrp-1@Lehigh.EDU>

Subject: [149367] Faulty Electrolytics in past year

Message-ID: <086701c30861\$20df2250\$4e100a0a@rohredt2000>

I do not have the URL, but google.com will find it for you. (electrolytic capacitor faults).

The caps are all from Taiwan, various companies. The formula was lifted from mainland China, but altered.

Japanese made Electrolytics are still fine to use.

The bad ones short in few hours of use.

72,

Stuart K5KVH

Date: Mon, 21 Apr 2003 18:57:15 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <portscom@hotmail.com>, <qrp-1@Lehigh.EDU>

Subject: [149368] Balanced line losses

Message-ID: <086f01c30861\$bbbba1410\$4e100a0a@rohredt2000>

John,

all other things being equal, the higher the impedance of the twin lead the less the loss.

The current is lower and thus the $I^2 R$ loss.

Thus 300 ohm twin lead is lower loss than 75 ohm. Where have you found any 75 ohm?

It was discontinued from manufacture by Amphenol many years ago! Any source might be in Europe if there.

GL and the line, 300 ohm type, will be lower loss than coax and will work fine. With tuner you can use the dipole on multiple bands.

72,

Stuart K5KVH

Date: Mon, 21 Apr 2003 20:23:38 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [149369] FS: 10 turn pots and dial
Message-ID: <002d01c30865\$6bfbf7a0\$53633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

(1) Helipot 10K 10 turn pot

(1) Duncan 50K 10 turn pot

(1) Beckman RB Duodial turns counting dial for use with the 10 turn pots

These are the same size/form factor that many have used in the 2N2/40.
\$5.00 for either pot, \$10.00 for the Duodial shipped. Please help me clean the basement!

TNX es 72

Howard Kraus, K2UD

Date: Mon, 21 Apr 2003 20:35:21 -0400
From: "K8YS/N8LBR" <jbcraft@adelphia.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [149370] RE: Psk-31 interfaces
Message-ID: <000501c30867\$0ecd5fe0\$79d7aa44@lbrtoh.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have two, I have the Rigblaster M8 AND the nomic... I like them for testing, they make it easy to get on the air with minimal effort -- BUT -- I USE homebrew interfaces on all my rigs. The IC706 and the FT817 make it very easy to interface to via a data port... The IC745 and TR4 require a little more effort to make an interface.

00
Bob

Date: Mon, 21 Apr 2003 18:52:20 -0600
From: na5n@zianet.com
To: qrp-1@lehigh.edu
Subject: [149371] QRPTTF Riley Travel Guide
Message-ID: <20030422005220.29233.qmail@klaatu.zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
We drove over to the ghost town of Riley, NM this past weekend to see which of the two 30+ mile dirt ruts was the best. It seems the road in from Bernardo at I-25 is best, suitable to take our small RV on next weekend. We secured permission from the Spears Ranch to spend friday and saturday night there (kinda the caretakers of the ghost town).

This is one of the better ghost towns in New Mexico in terms of standing and partially standing buildings. It was abandoned in the 1930's during the dustbowl/depression era.

For you Riley neophytes ...
A nice aerial/satellite shot can be found at:

<http://terraservert.microsoft.com/image.aspx?t=1&s=10&x=1475&y=19032&z=13&w=1>

The building in the center of the image is the old church and cemetery. North, almost at the top, the building casting the distinct shadow is the old alamo-style school house. The Spears Ranch is just across the normally dry Rio Salado to the west. We will be operating from in front of this school house, a photo of which is found at:

<http://www.1881.com/riley.htm>

A few other cool pictures of Riley are at:

<http://www.ghosttowns.com/states/nm/riley.html>

My favorite tombstone in the cemetery reads "Daniel Bustamonte, killed by train robber Bronco Bill Walters, May 25, 1898." Daniel Bustamonte was the Valencia County Sheriff, killed by Bronco Bill in a shoot out in a canyon about 20 miles west of Riley. Bronco Bill was later caught by the Pinkerton Detective Agency in Arizona, tried in Socorro, and spent until 1929 in the state prison. When you can read it on an old wooden tombstone ... that's history!

Riley brings lots of memories for me, as in 1996, QRPTTF at Riley was manned by myself, Doug KI6DS, Chuck K7QO, Jay WA5WHN and Tim K5OI. We had gobs of fun, inspite of the (literally) 60-70+ mph winds that day. We were all sandblasted raw, but still one of the best times spent with buddies for a QRP event I've ever had. "Spud gun" Tom, Brian and a couple of others were also there.

Looks like Jay Miller WA5WHN may be joining us at Riley saturday afternoon. So look for Jan N0QT, Paul NA5N or Jay WA5WHN on the air from QRPTTF from downtown Riley. Wind reports available upon request. Did I mention the wind?

Now I know few of you have access to a place like Riley, the official QRP ghost town. The idea is GET OUT and operate and have fun from any old abandoned settlement, building, old historical area ... whether a ghost town, light house, old army fort, lumber camp, civil war battle field ... whatever. It doesn't need to be as dramatic as Riley. Ask around, and I'll bet there's gobs of old historical sites (whether anything is left there or not) that qualifies. But wherever you pick, be safe, have fun, and CU on the air saturday.

Did I mention the wind?

72, Paul NA5N/pGT (portable Ghost Town)

PS - Will miss Doug, Chuck, Tom and Tim

Date: Tue, 22 Apr 2003 01:00:53 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [149372] 30mtr WIRE / ROPE ANT
Message-ID: <20030421.180056.25372.114832@webmail02.lax.untld.com>
Content-Type: text/plain

High Y all

well I went outside today and made a three element wire yagi for 30 meters and pointed it towards the SW... of course the first station I heard was an OM then a G sumthin or other and I was left with a senior hour, wondering just what direction ah had pointed the antenna....

I m hearing US stations now... eights and threes and ve s so I m all confused... 30m is quiet except for the stations coming in... one in ohio is pegging the k2 s-meter.... most unusual...

I m feeding the thing with twin lead, so no problems loading up and using the 468/f formula with 6% difference for the dir and ref... unless of course my senior hours out thair went awry today... first time I ve been out the cage er house for a good while....

I m gonna listen for a while tonight, if I can stay awake much longer... geeeezzzzz I m tired... oh the ant is up a good 40 feet..+... 15 and 20 foot spacing... total 35fts long...

the first station I talked to was qrp no less....WB3GCK CRAIG IN PA.... HE WAS RUNNING 3 WATTS TO AN INDOOR DIPOLE... THEN I spoked to others....and listened... guess ah got to wait for the grey line to move meaux west....

Anyhow the displaced cajun is on thirty meters now.... somewhere around 10.110 plus or minus ten....:-)

ke1la joel
in maine
wondering whats going on

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 21 Apr 2003 18:24:43 -0700
From: "KXBill" <w7kxb@cox.net>
To: <hfpack@yahoogroups.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
Subject: [149373] Re: [HFpack] Re: Diamond (& Comet?) UHF-base antenna mount problem
Message-ID: <008c01c3086d\$f3f234a0\$25ac6d44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Andy:

FYI, Caig Laboratories has an interesting site:
<http://www.caig.com/index1.htm> Along with ProGold, there are several other interesting products that caught my interest for use around the shack, such as PreserivIT and CaiKote. Thanks for the tip.

I have no pecuniary interest in Caig Laboratories.

Cheers

Bill Harris

Original Message -----

From: "ASHorn" <ashorn@epix.net>

To: <hfpack@yahoogroups.com>

Sent: Monday, April 21, 2003 16:49

Subject: Re: [HFpack] Re: Diamond (& Comet?) UHF-base antenna mount problem

You might want to also use something called ProGold G5 by Caig Laboratories.

I use this spray in all my connectors, it eliminates all the corrosion that occurs

in the mating metals. Yes even on my boat, the salt does not stand a chance.

Kind of like the WD40 of the electrical world. Oh yea is a lubricant so pre glue

the insulator cause she will fly out of the connector like never before.

Andy

KA3ODJ

----- Original Message -----

From: Tom W.

To: hfpack@yahoogroups.com

Sent: Monday, April 21, 2003 19:47

Subject: [HFpack] Re: Diamond (& Comet?) UHF-base antenna mount problem

Good points, Rudy. Along those lines, Type N and UHF connectors have the same threads, so a cap for one will work on the other (as long as the cap doesn't have a type-specific center pin).

Be aware for field work that UHF connectors are not designed to be watertight, while N connectors were (but only nominally).

User-applied dressing is necessary for UHF connectors (and a really, really good idea for N connectors) that are exposed to the elements. It's kinda moot for packing since most of our radios will probably get wet and quit working long before the coax connectors give up the ghost. <hee hee>

Tom, KC5UN

--- In hfpack@yahoogroups.com, "Rudy Marcelletti, K8SWD" <k8swd@a...> wrote:

> Be very careful not to lose those plastic "spoke-thingys" as they do fall out. I somehow lost one of these things from a Comet duplexer. They are essential in that they keep the center conductor from "spreading out" too far and losing contact with the mating pin of the PL259 connector. A dot of crazy glue should help. Put it on one of the spokes. Good idea on using the cap. A plastic champagne cork works well for this if you can't find the metal one that came with the Comet/Diamond mount.

> Rudy Marcelletti, K8SWD

Date: Mon, 21 Apr 2003 20:25:18 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <va3jff@rac.ca>
Subject: [149374] Re: 4.915 MHz Matched Crystals
Message-ID: <00c601c3087e\$cf5f32d0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jeff-

Other than the slightly (but not too) exotic methods of measuring the crystal's parameters, a fairly effective method is to just match them in frequency in an oscillator. Since you're building the 2N2/40, you'll be building a couple oscillators you could use for testing ... if you don't have or want a separate one just for the purpose.

I think a thumb-rule is to match within 10% of filter bandwidth. If you are looking to build a 500 Hz crystal filter, match within 50 hertz. I think your chance of good results with this simple method would be enhanced if you buy the same kind of crystals Jim used in his design. Better chance of matching parameters other than frequency with those used in the design. I'm

trying to remember what Jim said he used. Think it was FOX crystals, from Mouser. A bunch of part number FOX049 that I tested looked real good for Q and came out pretty tight on frequency too. As a bonus, they're surprisingly inexpensive.

So you need an oscillator that you're going to build anyway, and a frequency counter that reads to Hz, although 10 Hz might be OK. You could even use a receiver that reads to 10 Hz if you're pretty good at matching tones.

72/GL--

Nick, WA5BDU

----- Original Message -----

From: "L. Jeffrey Hetherington" <va3jff@rac.ca>

Subject: 4.915 MHz Matched Crystals

> Hello Everybody.

>

> I am assembling the parts to build a 2N2/40 and was wondering if anybody
> knows of a source for matched crystals? Is there an easy way to match
> them myself with standard and basic test equipment if I was to buy a
> large lot?

Date: Mon, 21 Apr 2003 19:04:15 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post <qrp-1@lehigh.edu>
Cc: ki6ds@dospalos.org
Subject: [149375] QRPTTF - Logging Camp
Message-ID: <3EA4A31F.7E149677@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be doing TTF from Potlatch Logging Camp No. 11 located near Bovill, ID. This camp, located in the heart of the White Pine country, was active from 1920 to 1926. It was one of many railroad based logging camps that fed the lumber mills of northern Idaho. Most logging camps of that period were of a temporary nature built to last until the timber was removed, then the entire outfit would move on to the next location.

The railroad locomotives used in the area were Shays, a gear

driven locomotive designed to operate on steep grades and poor track. "A Shay was a lop-sided creature developed in the pines around the Great Lakes. The engine was driven by cylinders mounted vertically on the right side of the boiler, power being transmitted to the wheels by a line shaft and gears. To compensate for the weight of the cylinders and driving gear, the boiler was mounted off center on the left of the frame, giving the locomotive an odd appearance when viewed head-on. These engines could climb grades that would stop an ordinary rod locomotive cold, and their flexibility made them easy on the track." -- Pacific Slope Railroads by George Abdill.

I was on location for the April Spartan Sprint and, indeed, there was "Nobody Home" but me. I was able to find some of the old railroad grades. If you had been there in 1926 it would probably have looked pretty barren, but now there are plenty of tall antenna trees and a great place to operate from the edge of a meadow.

I'll be on 40, 20, and 15 m for the TTF and expect to see deer (a guarantee), turkey (likely), and maybe even a moose (perhaps).

So Doug, while down south in CA, operating from a State Park may seem like high adventure, up here we do things on a bigger scale. The nearest town of more than 3,000 folks is an hour away in Moscow and the nearest one with over a 1/4 million is Spokane 3 hours from the camp. If you, Mike, Paul, or Dave would like to get up this way, I'd be happy to have you come along.

Oh yes, don't worry about the weather. There will be frost when we arrive at 7 am and if lucky it will warm up enough to get by with just long sleeve shirts from 11 am to 2 pm, then back down to jacket weather for the rest of the day. Perfect spring time forest weather!

--

73,

Randy, K7TQ

Moscow, ID

QRP ARCI Contest Chairman

Date: Mon, 21 Apr 2003 22:08:46 -0400

From: Alex <kr1st@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [149376] Re: Psk-31 interfaces
Message-ID: <3EA4A42E.FF97818@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does the Rascal count? I guess it does since they are offered as built kits. I built two of these and for the HF digital modes they work very well. One is in use for over a year now. There's really no need for any of the more expensive boxes since they all do pretty much the same thing, although I think some of the overpriced West Mountain models don't even isolate the audio in both directions. Perhaps they have corrected that shortcoming by now.

QST had a nice review recently on the Rigblaster which convinced me that there are only very few reasons to get one of those.

I just designed and built an interface myself to connect and isolate the Behringer MX802A mixer to my rig which includes a reed relay to prevent a feedback loop and it accepts several sources for the PTT. Just finished last night and works as advertised (read: as hoped :)).

Perhaps it's not the info you're looking for, but it's free. :)

73,
--Alex KR1ST

"Karl F. Larsen" wrote:

>
> I would like to know how the store bought interfaces you use for
> psk-31 are working. I looked in the new AES catalog and found the one
> MFJ makes and the West Mountain Radio Rigblaster people make several
> units.
>
> If you have used one of these please just reply to me which one
> and how well it works for you. If your like me and make all your own
> interfaces don't comment...:-)
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 21 Apr 2003 19:19:04 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>

To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [149377] QRPTTF Plans for Various Groups
Message-ID: <009101c30875\$8dcd3e60\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys this one is shaping up like there are gonna be a lot of guys participating.

Here is the list as I have it so far. Please send me an email with the title of QRPTTF Plans so I can add you to the list. Give me the location and calls, and I will add you to the group.

Jerry Brown says our planned operation is from Water Valley, TN which has two

"ghost" general stores left over from the 1900's.

4 States QRP Group, Walter Dufrain, AG5P, Joy Dufrain, NQ5R, Gene Sailsbury, NOMQ, Joe Porter, WOMQY, Dave Bixler, W0CH, J.C. Alexander, K5DMI, Larry Hastings, AB0AH, Tom Severt, N2JHC, Tom Henderson, WD5AGO, Jay Rupa, K0ETC will all be operating from Twin Bridges State Park, just west of Seneca, Missouri, but they will be in Oklahoma, as the park is just across the state line. A beautiful site, and lots of trees there.

NorTex QRP Club will be operating from a site near Spencer Pond....believed to be part of the location of what was once Tate Springs TX.(no longer there....) Only the Tate Springs Cemetery and Tate Springs Baptist Church remain of the original town...now all absorbed into Arlington TX. We will be on the air with the club call AI5W. From Joe Spencer KK5NA. Joe who else will be there?

Paul Harden and Jan Medley will be on from the place that made all of this stuff famous, Riley, NM. Listen for the calls NA5N and N0QT. Be sure and ask Paul about his antenna, and have him describe it to you. Jay Miller, WA5WHN will also be there. Jay is the guy who gave me the first ride I ever took to Riley.

Paul Maciel, AK1P, Dave Fifield, AD6A, Mike Gipe, K1MG and Doug Hendricks, KI6DS will be operating from Alviso State Marina, site of an old Indian village.

Brian Short K7ON is going to be a first time tester and will be in Arizona.

Bill Steitenroth, K5ZTY and some other members of the Houston QRP club will

be operating from Memorial Park inside the loop in the city of Houston. Memorial Park is a ghost town site. Hard to believe there is a ghost town inside a city of 2 million people. It is the site of old Fort Logan, a National Guard training site and post war demobilization center for soldiers during and after World War I.

Jim Giammanco, N5IB reports that members of the Baton Rouge ARC and ARS at LSU will set up for QRP-TTF at the Port Hudson Commemorative Area in Port Hudson LA. This is the battlefield site of the Siege of Port Hudson, a major civil war action., along with Natchez and Vicksburg, designed to secure control of the Mississippi River. We'll likely be operating from the ruins of Fort Desperate, an earthwork fortification. Club calls W5GIX (BRARC) and K5LSU (ARS at LSU) will probably be used. Photos will be taken, and a commemorative QSL prepared.

Bill Phinizy, K6WHP, and the other members of the Lake Perris QRP Society will put Southern California on the air. No word on their site yet.

Howard Kraus, K2UD, will put Buffalo, NY on the air. He says that he may even brave operating from his kid's bedroom, now that is a scary thought!!

Maxime Prati, VE2HAC will be on the air from Montreal, Quebec. Max says if you are in the area, he will supply the sandwiches!! At least one dx station on the air.

Please let me know your plans and post them to the list. We want to listen for you. 72, Doug, KI6DS

Date: Mon, 21 Apr 2003 19:25:03 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [149378] Riley Pictures
Message-ID: <009701c30876\$63a90410\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul, great pics of Riley. Thanks for sharing them with us. By the way I saw Tim Pettibone at Arkiecon. He looks great. Also, just in case you want to grab your guitar and play along (I did, really), the music at the site is

in the key of G, grin.

<http://www.ghosttowns.com/states/nm/riley.html>

72, Doug

Date: Mon, 21 Apr 2003 19:27:57 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "Randy Foltz" <rfoltz@turbonet.com>, "qrpl_post" <qrpl@lehigh.edu>
Subject: [149379] Re: QRPTTF - Logging Camp
Message-ID: <009d01c30876\$cb536830\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Randy, be sure and take lots of pictures. Would love to be up there with you, but I am a pansy when it comes to cold, grin. Have fun, and I will look for you on 20M. 72, Doug, KI6DS

----- Original Message -----
From: "Randy Foltz" <rfoltz@turbonet.com>
To: "qrpl_post" <qrpl@lehigh.edu>
Cc: <ki6ds@dospalos.org>
Sent: Monday, April 21, 2003 7:04 PM
Subject: QRPTTF - Logging Camp

> I'll be doing TTF from Potlatch Logging Camp No. 11 located
> near Bovill, ID. This camp, located in the heart of the
> White Pine country, was active from 1920 to 1926. It was
> one of many railroad based logging camps that fed the lumber
> mills of northern Idaho. Most logging camps of that period
> were of a temporary nature built to last until the timber
> was removed, then the entire outfit would move on to the
> next location.
>
> The railroad locomotives used in the area were Shays, a gear
> driven locomotive designed to operate on steep grades and
> poor track. "A Shay was a lop-sided creature developed in
> the pines around the Great Lakes. The engine was driven by
> cylinders mounted vertically on the right side of the
> boiler, power being transmitted to the wheels by a line
> shaft and gears. To compensate for the weight of the
> cylinders and driving gear, the boiler was mounted off
> center on the left of the frame, giving the locomotive an

> odd appearance when viewed head-on. These engines could
> climb grades that would stop an ordinary rod locomotive
> cold, and their flexibility made them easy on the track." --
> Pacific Slope Railroads by George Abdill.
>
> I was on location for the April Spartan Sprint and, indeed,
> there was "Nobody Home" but me. I was able to find some of
> the old railroad grades. If you had been there in 1926 it
> would probably have looked pretty barren, but now there are
> plenty of tall antenna trees and a great place to operate
> from the edge of a meadow.
>
> I'll be on 40, 20, and 15 m for the TTF and expect to see
> deer (a guarantee), turkey (likely), and maybe even a moose
> (perhaps).
>
> So Doug, while down south in CA, operating from a State Park
> may seem like high adventure, up here we do things on a
> bigger scale. The nearest town of more than 3,000 folks is
> an hour away in Moscow and the nearest one with over a 1/4
> million is Spokane 3 hours from the camp. If you, Mike,
> Paul, or Dave would like to get up this way, I'd be happy to
> have you come along.
>
> Oh yes, don't worry about the weather. There will be frost
> when we arrive at 7 am and if lucky it will warm up enough
> to get by with just long sleeve shirts from 11 am to 2 pm,
> then back down to jacket weather for the rest of the day.
> Perfect spring time forest weather!
>
> --
> 73,
> Randy, K7TQ
> Moscow, ID
> QRP ARCI Contest Chairman
>

Date: Mon, 21 Apr 2003 20:39:57 -0600
From: "Brian P. Mileschosky" <n5zgt@swcp.com>
To: <na5n@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149380] Re: QRPTTF Riley Travel Guide
Message-ID: <004101c30878\$7787ebc0\$d404b8d8@hlw11>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul et. al.,

Hah! With our luck, the winds will be back like they were in 1996 -- don't forget your spare tires...remember a few of us (I think my pops and I, too) had flats from those mighty big thorns protruding from the side of the road.

Anyway, can't join you guys this time for QRPTTF-Riley-II due to my duties as OA Chapter Adviser...gotta watch my guys tap out new potential Arrowmen that weekend!

72,
Brian, N5ZGT

----- Original Message -----

From: <na5n@zianet.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, April 21, 2003 6:52 PM

Subject: QRPTTF Riley Travel Guide

> Gang,
> We drove over to the ghost town of Riley, NM this past weekend to see
> which of the two 30+ mile dirt ruts was the best. It seems the road in
> from Bernardo at I-25 is best, suitable to take our small RV on next
> weekend. We secured permission from the Spears Ranch to spend friday
> and saturday night there (kinda the caretakers of the ghost town).
>
> This is one of the better ghost towns in New Mexico in terms of standing
> and partially standing buildings. It was abandoned in the 1930's during
> the dustbowl/depression era.
>
> For you Riley neophytes ...
> A nice aerial/satellite shot can be found at:
>
>
> <http://teraserver.microsoft.com/image.aspx?t=1&s=10&x=1475&y=19032&z=13&w=1>
>
> The building in the center of the image is the old church and cemetery.
> North, almost at the top, the building casting the distinct shadow is
> the old alamo-style school house. The Spears Ranch is just across the
> normally dry Rio Salado to the west. We will be operating from in front
> of this school house, a photo of which is found at:
>
> <http://www.1881.com/riley.htm>
>

> A few other cool pictures of Riley are at:
>
> <http://www.ghosttowns.com/states/nm/riley.html>
>
> My favorite tombstone in the cemetery reads "Daniel Bustamonte, killed
> by train robber Bronco Bill Walters, May 25, 1898." Daniel Bustamonte
> was the Valencia County Sheriff, killed by Bronco Bill in a shoot out in
> a canyon about 20 miles west of Riley. Bronco Bill was later caught by
> the Pinkerton Detective Agency in Arizona, tried in Socorro, and spent
> until 1929 in the state prison. When you can read it on an old wooden
> tombstone ... that's history!
>
> Riley brings lots of memories for me, as in 1996, QRPTTF at Riley was
> manned by myself, Doug KI6DS, Chuck K7Q0, Jay WA5WHN and Tim K5OI. We
> had gobs of fun, inspite of the (literally) 60-70+ mph winds that day.
> We were all sandblasted raw, but still one of the best times spent with
> buddies for a QRP event I've ever had. "Spud gun" Tom, Brian and a
> couple of others were also there.
>
> Looks like Jay Miller WA5WHN may be joining us at Riley saturday
> afternoon. So look for Jan N0QT, Paul NA5N or Jay WA5WHN on the air from
> QRPTTF from downtown Riley. Wind reports available upon request.
> Did I mention the wind?
>
> Now I know few of you have access to a place like Riley, the official QRP
> ghost town. The idea is GET OUT and operate and have fun from any old
> abandoned settlement, building, old historical area ... whether a ghost
> town, light house, old army fort, lumber camp, civil war battle field ...
> whatever. It doesn't need to be as dramatic as Riley. Ask around, and
> I'll bet there's gobs of old historical sites (whether anything is left
> there or not) that qualifies. But wherever you pick, be safe, have fun,
> and CU on the air saturday.
>
> Did I mention the wind?
>
> 72, Paul NA5N/pGT (portable Ghost Town)
>
> PS - Will miss Doug, Chuck, Tom and Tim
>
>

Date: Mon, 21 Apr 2003 22:09:39 -0500
From: "Merton Nellis" <mertnellis@msn.com>
To: ki6ds@dospalos.org, qrp-l@Lehigh.EDU
Subject: [149381] Re: QRPTTF Plans for Various Groups

Message-ID: <BAY4-F11cUtf0EboDGv000098b2@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Hi Doug and all,

W0UFO will be up in Northern MN somewhere...am trying to decide between a ghost quarry townsite, a ghost lumberjack saloon/brothel town, or a ghost farmsite. The quarry town is pretty well grown in with trees, the lumberjack brothel is a bit far away, and the ghost farm site is close and with a grand old silo from which to hang an antenna. Probably end up at the latter. I am going up North tomorrow to scout things out and untangle my antenna wire.

BUT, in any case will BCNU on 40, 20, and 15 with a K-1 into a tuner to a 40M dipole.

Have FUN! 72 Mert W0UFO MNQRP

w0ufo@arrl.net

>From: "Doug Hendricks" <ki6ds@dospalos.org>

>Reply-To: ki6ds@dospalos.org

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: QRPTTF Plans for Various Groups

>Date: Mon, 21 Apr 2003 19:19:04 -0700

>

>Guys this one is shaping up like there are gonna be a lot of guys
>participating.

>

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>

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>N0MQ, Joe Porter, W0MQY, Dave Bixler, W0CH, J.C. Alexander, K5DMI, Larry

>Hastings, AB0AH, Tom Severt, N2JHC, Tom Henderson, WD5AGO, Jay Rupar, K0ETC

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>Please let me know your plans and post them to the list. We want to listen
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>
>
>
>
>

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Mon, 21 Apr 2003 22:12:52 -0400
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149382] Re: QRPTTF Plans for Various Groups
Message-ID: <EC81B852-7467-11D7-A377-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

On Monday, April 21, 2003, at 10:19 PM, Doug Hendricks wrote:
> Brian Short K7ON is going to be a first time tester and will be in
> Arizona.

Ummm, first obvious question - From where may I get the official rules?

--
See my web page: <http://www.k7on.com>

Date: Mon, 21 Apr 2003 22:29:03 -0500
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [149383] Trade: Heath HD-15 Phone Patch
Message-ID: <017a01c3087f\$5500f220\$dbd8a418@jam.rr.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got this one in another deal last week.

There's no manual, and I do not know anything about it. Physically, it's clean but not a perfect 10.

Make offer as is.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Mon, 21 Apr 2003 22:59:24 -0500
From: Dave Hottell <hottell@gulftel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149384] QRPTTF
Message-ID: <3.0.6.32.20030421225924.0094f7c0@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

AJ4AY and AB9CA plan on operating QRPTTF from the site of the first territorial capitol of Alabama. Now known as Old St Stephens, on the banks of the Tombigbee River, a historical park occupies the spot where the town of St Stephens once stood. This is about 60 miles north of Mobile.

There is actually nothing left of the town, we are told it was completely disassembled and relocated once the capitol and the riverboats departed. It served as the territorial capitol from 1817 to 1819 and was a ghost town by the time of the Civil War.

It does look like it might be a decent radio site though. There is a bluff of about 70' to 100', and we plan on operating from atop this bluff. Doesn't look like there will be anything to block our signal.

Hope to work one and all, maybe more than once!!

73 es gl de Jay and Dave

Date: Mon, 21 Apr 2003 22:19:43 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <ki6ds@dospalos.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Richard J. Housden, WA8NTA" <wa8nta@arrl.net>
Subject: [149385] Re: QRPTTF Plans for Various Groups
Message-ID: <00b701c30886\$67125380\$6401a8c0@Sherman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Doug & all other "Ghost-busters" :-)

Add Dick, W0NTA and me Rod N0RC to the list.

Weather permitting Dick and I are heading up to Sherman, WY. Sherman was an old railroad town on the Transcontinental RR. It was the highest point on the route. Not much left but ruins and interesting stores. See:

<http://www.ghosttowns.com/states/wy/sherman.html>
<http://www.wyomingtalesandtrails.com/sherman.html>

We will breaking in Dick's new call (it was WA8NTA) so please listen for us and give Dick (and me) plenty of practice sending W0NTA/7.

73 Rod, N0RC

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, April 21, 2003 8:19 PM
Subject: QRPTTF Plans for Various Groups

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the
> title of QRPTTF Plans so I can add you to the list. Give me the
location
> and calls, and I will add you to the group.
>
>
...

Date: Tue, 22 Apr 2003 05:14:08 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [149386] modified WIRE ROPE ANTENNA
Message-ID: <20030421.221444.6815.120027@webmail03.lax.unttd.com>
Content-Type: text/plain

SIMPLE CAJUN LOGIC IT WAS...

I ll tell u man this lectionics math is a bugger...
I plan to work on my new antenna tomorrow and make both end elements into
directors with relays to switch in a piece of 300 ohm twin lead to make one of the
elements a reflector...

What a delima ...the amount of 300 ohm twin lead do I needed to equal 5.5
ft. of 12 guage copper wire... now how long is that??
Well ah gots to thinking... 5.5ft gotta reasonate somewhere... so $468/f$ gonna
equal 5.5ft....right at 85.1mhz... ok now we done gone somewhere..

Now what bees a wavelength of 300 twin lead at 85.1mhz... hmmm
 $968/85.1 \times$ the velocity factor of .82.... that came to 9.327ft of twinlead
now let s find a quarter wave length $9.327 / 4 = 2.33$ ft of 300 ohm gonna give me
the equivelant of 5.5ft of 12 guage wire at 10.110 mhz...

What say u grue rue s ... does dat come out right using the proper
math...????

Oh the joy of a displaced cajun lad....

Ke1la joel
in maine
counting on his toes

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Tue, 22 Apr 2003 01:04:10 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-1@lehigh.edu

Subject: [149387] Hamvention Rooms
Message-ID: <5.1.0.14.2.20030422005120.04034850@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

There are still rooms available at the Ramada Inn - Dayton Mall
for the Hamvention in May on Wed, Fri, Sat and Sun nights.

If the last 10 or so don't confirm by April 24, there will be 10 or
so rooms available for all nights!

The list of who is coming is at <http://www.qsl.net/k8dd/rooms/ramada1.htm>

The NEW HW-8 Handbook will be available at the QRP-ARCI booth at the
Hamvention for \$15 and via the QRP-ARCI Toy Store after Dayton for \$15
plus \$4 shipping Priority Mail.

73 Hank K8DD

```
*****
*
*
*           The QRP-ARCI Toy Store           *
* http://www.qsl.net/k8dd/toystore/thetoystore.htm *
*
*
*****
```

Date: Mon, 21 Apr 2003 22:38:29 -0700
From: "Tom Scott" <tomrscott@sterlink.net>
To: "qrp-l Reflector" <qrp-l@Lehigh.EDU>
Cc: <w5yr@att.net>, "'Lew Paceley'" <lew@paceley.com>
Subject: [149388] RE: Behringer MX602A mixer/equalizer, details?
Message-ID: <000a01c30891\$6a1a3b50\$03010a0a@Dell8200>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I managed to end up with an MX-602A when my son needed something for a
science project. It was more money than I would've spent on a science
project, except that I figured I could put it to good use after he was
done with it. I've had it for some time now, but have been off the air
for awhile getting a shack built. Now I'm just putting the finishing

touches on my new shack / office / workbench, and setting things up this week.

I'd be very interested in how others who've been using it are hooking things up, I mean in some detail (ie: primary rig in channel one, computer interface through the Aux send/return, or do you use the tape in/out for the computer, etc.).

By the way I agree with others that it's a real nice high quality unit. I've used it for some more traditional audio mixing and am very pleased with it, but I'm still figuring out what's the best use of it in the shack...

Thanks! 73!

- Tom Scott
//_/_/_/_/_/_/_/_/_/_/_/_/_/_/
27005 SW Neill Rd
Newberg, Oregon 97132
503-330-6867 - Cell
503-538-5839 - Home
KD7DMH
//_/_/_/_/_/_/_/_/_/_/_/_/_/_/

"Going to war without France is like going deer hunting without your accordion."

-- Donald Rumsfeld

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of George, W5YR
Sent: Monday, April 07, 2003 10:38 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Behringer MX602A mixer/equalizer

Alex, I can only echo Lew's comments based upon my almost identical usage of the 602A (now an 802A) mixer/EQ. Once you get everything plumbed in, the ease with which you can control audio levels and paths, etc. will really spoil you in a hurry. The EQ is much more than adequate so don't let that worry you.

BTW, the 602A is now down to \$60 and the 802A is only \$80. The 602 is physically smaller by a bit and is more than adequate.

I control four rigs (transmit audio and receive audio), a soundcard, a

monitor scope input, etc. and use it to drive an 80 watt/channel stereo amp which drives a large stereo speaker cabinet system. The 802 has a couple more channels available and a couple of other features which make it more attractive to me, but as Lew said, the 602A is more than enough.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Lew Paceley" <lew@paceley.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, April 07, 2003 10:45 AM

Subject: Re: Behringer MX602A mixer/equalizer

> Hi Alex,
> I have and use a Behringer 602A mixer in my shack. I don't operate
> SSB a whole lot, mostly 10 meters QRP and the occasional 10-10 contest

> when I do manage to grab the mike.
>
> The 602A has a 3 band tone control system, low-mid-high which will
> probably allow you to EQ your voice to your heart's content. It's not

> an expensive parametric EQ with variable Q but the 602A has enough
> range to EQ from that strident DX sound to warm rag-chew. I should
> note that while EQ allows you to make your audio more intelligible in
> some situations, it is not a direct substitute for compression.
>
> For some the mixer may have greater value as an analog router/switch.
> If you operate any digital modes and want to maintain a fixed input
> level, the mixer provides an easy way to manage your audio inputs. If

> you have multiple mikes and/or multiple rigs, the inputs and output
> buses allow to route the sound as you wish. Similiarly, it makes it
> easy to connect your computer and rigs together for recording off the
> air. Because most of our ham audio is mono, each stereo channel has
> effectively 2 inputs and 2 outputs. You can use the balance controls
> to switch audio from one input to another just by turning the balance
> knob.
>

> I have operated my rig at 100W for a local net on 80m sideband. My
> inverted L leaves the back of my tuner 8 feet from my mixer and I
> haven't yet noticed any RF effects. Realize however, that this
> information is purely anecdotal and may not be that valuable for your
> situation. Choosing high quality shielded audio cables which are
> intentionally kept as short as possible/reasonable is always a good
> first step.
>
> I purchased my MX602A at www.musiciansfriend.com for around \$70. Your

> local Guitar Center probably has them in stock. I use the 602A with a

> Nady Starpower 1 microphone (\$9.95 - whoohooo :-) on a boom and it
> works fine for me. I prefer the construction and features of the
> Mackie 1202 over the MX602A but for shack use the 602A is
> substantially smaller and less expensive.
>
> GL es have fun!
>
> 72/73,
> *Lew*
> N5ZE
>
>
> So if anyone who has a MX602A would like to share their experiences,
> then that would be great. Although I'm 99.99% of the time QRP, I do
> require equipment to perform well in an environment where the output
> may 100 Watts.
>
> Thanks and 73,
> --Alex KR1ST
>
>
>
>

Date: Sat, 19 Apr 2003 08:26:07 -0600
From: "JessMX5" <jessmx5@earthlink.net>
To: <qrp-l@lehigh.edu>, <ft817@yahooogroups.com>,
 <hfpack@yahooogroups.com>
Subject: [149389] [FT817] Stuff for Sale
Message-ID: <015501c3067f\$a02ea2d0\$6501a8c0@Jessnew>
MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

W4RT One Big Punch for FT-817. New in box, never installed. \$35.00

Heil Traveler Headset with adapter for FT-817 Used once. \$95.00

Elecraft K-1 Meticulously assembled and tested. Less than 1 hour air time. 40, 30, 20 and 17 KTS-1 Trail Tilt stand. Absolutely mint. \$375.00

Contact me off list. Prices do not include shipping.

Jess AE0CW

[Non-text portions of this message have been removed]

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Some really good technical info at: <http://www.ussc.com/~turner/ft817pg.shtml>
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Date: Tue, 22 Apr 2003 06:53:45 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [149390] RE: Psk-31 interfaces
Message-ID: <20030422.065523.-309903.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I use none.

No PC sound card to radio interface is required for PSK31
if you select the >LINE< ports, that is,
do not use the >microphone< ports on either the sound card or the radio.

All audio level adjustment is accomplished using the sound card mixer
panel.

Each cable (one for transmit audio and one for receive audio) carries
it's own return (ground) connection, therefore I have no trouble with hum
or ground loops.

A dry contact switch 'keys the radio into XMIT mode.

The radio is an ICOM 706.

John
N3AAZ
00TC
FM 19 xa

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
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Date: Tue, 22 Apr 2003 07:08:29 -0400
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [149391] Michigan QRP Net
Message-ID: <0FB9937537.9D44DE8E-ON85256D10.003D2474@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Boy what a difference a week makes. Two weeks ago conditions were just
great and we had 15 check-ins. Last week I had S5 noise from static
crashes, power lines, and just plain noisy band.

S R
WA8BXN 339 559 CLEVELAND OH MIKE
WA8REI/4 229 339 VA KEN
K8CV 579 559 ROYAL OAK MI WALT
N8KBG 449 339 BRIDGMAN MI RON

The Michigan QRP Net meets Tuesday night at 9:00 PM Eastern time on 3.535

MHz. All hams are welcome.

Ed AB8DF Waterford, MI

Date: Tue, 22 Apr 2003 11:43:39 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: ki6ds@dospalos.org
Cc: qrp-1@Lehigh.EDU
Subject: [149392] QRPTTF Plans for Various Groups
Message-ID: <20030422.044345.26815.105598@webmail10.lax.unttd.com>
Content-Type: text/plain

I will be operating from atop a 100 ft bldg on battery power/K-1/LongWire with SG230 tuner about 10 miles west of downtown Houston. I intend to startout with 250mw so QAP for me.

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN
ARCI_11325 * ARS_1392 * SOC_538

Date: Tue, 22 Apr 2003 12:22:31 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: qrp-1@lehigh.EDU
Subject: [149393] K1 extras For Sale
Message-ID: <20030422.052305.26815.106065@webmail10.lax.unttd.com>
Content-Type: text/plain

KAT1 Internal automatic antenna tuner, built. \$100.00.

KNB1 Noise blanker, built. \$35.00.

All with documentation. I'll pay the shipping.

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN

ARCI_11325 * ARS_1392 * SOC_538

Date: Tue, 22 Apr 2003 09:34:51 -0400
From: "Lee Mairs" <lmairs@direcway.com>
To: "qrpl" <qrpl@Lehigh.EDU>
Subject: [149394] Re: 4.915 MHz Matched Crystals
Message-ID: <08b701c308d3\$f808bdf0\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jeff -
The NJQRP Club has a crystal testing/matching kit that was designed and used by Jim Kortege specifically for matching crystals for the 2N2-XX series of homebrew rigs. Check their web page.
73 de Lee
km4yy/8

----- Original Message -----
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Sent: Monday, April 21, 2003 11:25 PM
Subject: Re: 4.915 MHz Matched Crystals

> Hi Jeff-
>
> Other than the slightly (but not too) exotic methods of measuring the
> crystal's parameters, a fairly effective method is to just match them in
> frequency in an oscillator. Since you're building the 2N2/40, you'll be
> building a couple oscillators you could use for testing ... if you don't
> have or want a separate one just for the purpose.
>
> I think a thumb-rule is to match within 10% of filter bandwidth. If you
> are
> looking to build a 500 Hz crystal filter, match within 50 hertz. I think
> your chance of good results with this simple method would be enhanced if
> you
> buy the same kind of crystals Jim used in his design. Better chance of
> matching parameters other than frequency with those used in the design.
I'm
> trying to remember what Jim said he used. Think it was FOX crystals, from
> Mouser. A bunch of part number FOX049 that I tested looked real good for
Q

> and came out pretty tight on frequency too. As a bonus, they're
> surprisingly inexpensive.
>
> So you need an oscillator that you're going to build anyway, and a
frequency
> counter that reads to Hz, although 10 Hz might be OK. You could even use
a
> receiver that reads to 10 Hz if you're pretty good at matching tones.
>
> 72/GL--
>
> Nick, WA5BDU
>
> ----- Original Message -----
> From: "L. Jeffrey Hetherington" <va3jff@rac.ca>
> Subject: 4.915 MHz Matched Crystals
>
>
> > Hello Everybody.
> >
> > I am assembling the parts to build a 2N2/40 and was wondering if anybody
> > knows of a source for matched crystals? Is there an easy way to match
> > them myself with standard and basic test equipment if I was to buy a
> > large lot?
>
>

Date: Tue, 22 Apr 2003 09:41:35 -0400
From: "KB9BVN" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@fpqrp.com>
Subject: [149395] FS: K8IQY Precision VX0 Kit
Message-ID: <002101c308d4\$e5dd2430\$4505020a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a K8IQY Precision VX0 kit, unbuilt, unopened, that I'd like to sell.
I just don't have time to do much building right now so it is surplus to my
needs. This kit can be seen at <http://www.njqrp.org> and would make a great
addition to any builders bench.

\$60.00 shipped to the USA

I will ship DX, but we need to discuss shipping charges.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Tue, 22 Apr 2003 18:24:31 +0200
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <kd1jv@moose.ncia.net>
Subject: [149396] Re: 2m transmitter, was: T-line stub as resonator
Message-ID: <000f01c308eb\$a7e4eac0\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Could such an oscillator drive a class E output stage directly. I know
Steve has already done this for 40 meters, but can it be done at 2
meters also?

73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

>Why not get a programmable clock oscillator? You tell them what freq
you
>want, they program it. Looks like an ECS-P85 5V, 1/2 size dip will do
the
>trick. (good to 150 Mhz) Only \$5.16 in singles from Digi-Key (but they
>have a \$25 min, so get a few :-)

>Steve, KD1JV
>"Melt Solder"

Date: Tue, 22 Apr 2003 09:01:00 -0800
From: anthony@pacinfosb.com
To: qrp-l@Lehigh.EDU
Subject: [149397] Re: QRP-L digest 2897
Message-ID: <Chameleon.1051028778.Anthony@PID038>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

> Tried out a 1/4 wavelength shorted coax stub in my (Colpitts) 2m
oscillator. Works OK but the stability if anything is worse than
> the original LC version. So I guess this means the effective Q of the
stub is lower than the LC resonator.
>
> --ian

The stability of the oscillator is probably less a function of Q than of
component instability. The dimensional stability with temperature of the
materials your stub is made of is worse than that of the LC components,
all else being the same.

Did you say you had a PIC on board? One cheap way to improve the system
may be temperature compensation. If your PIC has A/D converters, measure
temperature (using a diode) and then do a table lookup for a voltage to put out
(using PWM)
to a diode used as a varactor. You will have to profile the system over
temperature
to develop your table. If you wrap the thing in styrofoam all components will be
close to the same temperature and it should work bitchin'.

Another scheme would be to measure frequency with some of your PIC resources,
and program a control loop. You might need a prescaler, which may not be in
your junkbox. This way the crystal running the PIC becomes your frequency
reference. It doesn't matter what frequency the crystal beeps at, so you are
bound to have one in your junkbox that will work. This would be a "frequency
locked loop" or huff-n-puff rather than a PLL.

72, af WN6Q

Anthony Felino, Pacinfo Tech.
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25
Santa Barbara, CA 93101

Date: Tue, 22 Apr 2003 10:23:03 -0600
From: "JessMX5" <jessmx5@earthlink.net>
To: <ft817@yahoogroups.com>, <hfpack@yahoogroups.com>,
 <qrp-1@lehigh.edu>, <elecraft@mailman.qth.net>
Subject: [149398] [FT817] Stuff for sale
Message-ID: <005901c308eb\$74f00690\$6501a8c0@Jessnew>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

The One Big Punch and the Traveler Headset have been sold. I still have the
Elecraft k1 for sale.

JessAE0CW

[Non-text portions of this message have been removed]

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Questions) see <http://groups.yahoo.com/group/FT817/database>
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Date: Tue, 22 Apr 2003 12:43:16 -0400
From: "William D. Rugg, Jr." <bill.rugg@comcast.net>
To: anthony@pacinfosb.com,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [149399] Re: QRP-L digest 2897
Message-ID: <000801c308ee\$467335a0\$6401a8c0@eatntn01.nj.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

the temp compensation via pic sounds good. also how about a piece of hard line instead of the coax for the LC?

bill K2RXQ

----- Original Message -----

From: <anthony@pacinfosb.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, April 22, 2003 1:01 PM

Subject: Re: QRP-L digest 2897

> > Tried out a 1/4 wavelength shorted coax stub in my (Colpitts) 2m
> oscillator. Works OK but the stability if anything is worse than
> > the original LC version. So I guess this means the effective Q of the
> stub is lower than the LC resonator.
> >
> > --ian
>
> The stability of the oscillator is probably less a function of Q than of
> component instability. The dimensional stability with temperature of the
> materials your stub is made of is worse than that of the LC components,
> all else being the same.
>
> Did you say you had a PIC on board? One cheap way to improve the system
> may be temperature compensation. If your PIC has A/D converters, measure
> temperature (using a diode) and then do a table lookup for a voltage to
> put out (using PWM)
> to a diode used as a varactor. You will have to profile the system over
> temperature
> to develop your table. If you wrap the thing in styrofoam all components
> will be
> close to the same temperature and it should work bitchin'.
>
> Another scheme would be to measure frequency with some of your PIC
> resources,
> and program a control loop. You might need a prescaler, which may not be
> in
> your junkbox. This way the crystal running the PIC becomes your frequency
> reference. It doesn't matter what frequency the crystal beeps at, so you
> are
> bound to have one in your junkbox that will work. This would be a
"frequency"

> locked loop" or huff-n-puff rather than a PLL.

>

> 72, af WN6Q

>

> -----

> Anthony Felino, Pacinfo Tech.

> email: anthony@pacinfosb.com

> telephone: (805) 730 1565, x25

> Santa Barbara, CA 93101

> -----

>

Date: Tue, 22 Apr 2003 13:09:54 -0400

From: "w8diz" <w8diz@fpqrp.com>

To: <qrp-l@Lehigh.EDU>, <fpqrp-l@fpqrp.com>

Subject: [149400] MVAM109 Varactor Diodes

Message-ID: <00dc01c308f1\$ff7cdee0\$b8cf1d41@cinci.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Gang,

I just obtained 10 lifetimes supply of obsolete and hard to find MVAM109 varactor diodes. These things can be used to adjust the bandpass width of homebrew crystal filters, VXOs etc.

You can check out the voltage/capacitance curve here...

<http://partsandkits.com/MVAM109.pdf>

These parts will be available on my website <http://kitsandparts.com>
6 pieces for \$5. If anybody finds a better price, please let me know.

Thanks. See you all in Dayton/Ramada.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Tue, 22 Apr 2003 13:50:16 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: <(=?iso-8859-1?Q?=AF=60=B7=2E=B8=B8=2E=7E=3EMike=3C=7E=2E=B8=B8=2E=B7=B4=AF?
=) n9ivo@attbi.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149401] Re: Balanced line question
Message-ID: <3EA580D8.10BB84BD@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

\(' . .~>Mike<~. . \) wrote:
>
> Hi John.
>
> I think it's safe to say you're meaning 300 ohm or 400 ohm
> twin lead. Not 75 ohm.
SNIP

YUP, 75 OHM Twin Lead does exist ... It's the super narrow
stuff..

Jerry
W3CDE

>
> Mike N9IVO
>
> -----
> e-mail: n9ivo@attbi.com
> web: http://home.attbi.com/~n9ivo
> -----

Date: Tue, 22 Apr 2003 11:07:18 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <la3za@qsl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149402] Re: 2m transmitter, was: T-line stub as resonator
Message-ID: <002f01c308fa\$043479e0\$0b02a8c0@WorkGroup>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This depends mostly on the turn-on voltage of the output device used, and the rate at which the clock oscillator can drive the input capacitance of the device.

I imagine you could drive a small device like a 2N4427 into class E conditions and get reasonable efficiency.

--ian

----- Original Message -----

From: "Sverre Holm - LA3ZA" <la3za@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, April 22, 2003 9:24 AM
Subject: Re: 2m transmitter, was: T-line stub as resonator

> Could such an oscillator drive a class E output stage directly. I know
> Steve has already done this for 40 meters, but can it be done at 2
> meters also?
>
>
> 73,
> Sverre
>
> -----
> Sverre Holm, LA3ZA
> www.qsl.net/la3za
>
>
>
> >Why not get a programmable clock oscillator? You tell them what freq
> you
> >want, they program it. Looks like an ECS-P85 5V, 1/2 size dip will do
> the
> >trick. (good to 150 Mhz) Only \$5.16 in singles from Digi-Key (but they
> >have a \$25 min, so get a few :-)
>
> >Steve, KD1JV
> >"Melt Solder"
>
>

Date: Tue, 22 Apr 2003 11:11:51 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [149403] Riley the First Time, A QRP Adventure
Message-ID: <003d01c308fa\$a6314980\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In 1996, a group of qrpers met in Riley, NM to operate QRP to the Field. This was a memorable event for several reasons. Steve Thompson decided to operate the event aeronautical mobile, and flew over Arizona and New Mexico operating during the event. He actually flew over Riley, and we all waved to him. (Well, Paul and I were in Magdaleno in a grocery store and had to run out in the street to wave, but we did.) Steve made contacts all over the US operating from his airplane.

Paul invited Chuck Adams and me to join his group and operate from Riley. We both flew in to Albuquerque and were met at the airport by Jay Miller, WA5WHN and his son. We loaded our gear into his SUV and took off. Now picture this. Neither Chuck nor I had ever actually met any of these guys, we had just emailed most of them, and had talked with Paul on the phone. We were now sitting in the back seat of a SUV filled with camping gear. We rode and rode and rode. Finally, after an hour and a half, we turned off the Interstate and onto a dirt road. Drove down that for about 10 or 20 miles. It was dark. Chuck and I looked at each other, both of us wondering where we were heading with these relative strangers. Then we went over a cattleguard and started down a two path road. Some of you may not be familiar with those. They are very lightly traveled, and consist of two paths worn into the vegetation by the vehicle tires. The road is NOT maintained by anyone.

We drove and drove on this road, for literally an hour. Switchbacks, curves, never a straight line. I had no idea where we were, and wouldn't have had a clue on how to find my way back to civilization. Suddenly, we went down a hill, and drove through a river!! On the other side was our destination. Riley, the ghost town in New Mexico that we were going to operate from. When we arrived at 2 AM, we were greeted by all the guys. Paul had set up a tent for me. He had promised to provide all the camping gear. I just assumed that he would have a tent, sleeping bag, air mattress, cooking equipment, ice chest filled with diet pepsi, etc. I opened the tent, and all that was there was a sleeping bag. No air mattress, just a bag. Forget the rest of the stuff. There wasn't an air mattress!! I was going to have sleep on the ground. It was 2 AM, I was exhausted, we were hours from civilization so I lay down to sleep. In the morning I woke up

and realized that I had broken my glasses. I was so tired when I went to sleep that I forgotten to take them off. In the middle of the night I had rolled over on them, and they were broken!!

I happen to wear pretty thick glasses. In case you are wondering, yes I am legally blind without them. Now I was in a quandry. What was I gonna do? Jay offered going to take me to town, God knows how far that was, but when we looked at the SUV, it had two flat tires!! We had driven over some thorns, and we only had one spare! So, we took off both flat tires, and headed for Magdalena in Paul's jeep. It took us an hour to find a place that would fix the flats. While we were waiting we went into a local restaurant and had a delicious breakfast. Paul was resourceful, and I was dying laughing at his stories about QRP camping adventures.

After breakfast, we went to the grocery store to pick up some steaks for a barbecue that night. I might mention that the wind was starting to blow, about 20 - 25 miles per hour, which is not bad, but significant.. We were talking to the butcher about what steaks we wanted to buy, when I heard Steve calling on 2 meters. I ran over to Paul and said, "Hey the airplane is coming." Paul immediately dropped the two steaks in his hands on the counter, and the two of us literally ran out of the store. We talked to Steve, and then went back into the store. You can imagine the reception we got. Naturally, Paul tried to explain that we were qrpers, camped in a ghost town, and a buddy of ours was flying over Arizona and New Mexico making contacts with other qrpers like us. You talk about some weird looks. The butcher gave us the steaks and rolled his eyes. The cashier told us "Cash only".

Paul had taken me to the NRAO where he works and we had sort of fixed my glasses. US Tax dollars at work. At least I could now see. The antennas were awesome. If you ever get to New Mexico, make sure that you go by the NRAO. Paul and I picked up the tires and headed back to Riley.

Then the wind started to pick up. When we left Riley, it was blowing at about 10 mph. It was gusting to 50 when we got back, and the antennas were bent over. Chuck went up on the roof to adjust the vertical that we had up there and was almost blown off the roof of the building. Tim Pettibone and his wife were there, Tim went down to the edge of town to set up and operate. Talk about a trooper! No not Tim, his wife. I can't imagine the honey do's that he has done to make up for that day. It was horrible. 60 mph gusts, and it was whipping dirt and sand everywhere.

While we were in Magdalena, a couple of more Qrpers showed up. Spudman Tom had brought his pop up trailer, and that was the place to operate. It was the only place you could get out of the wind. By this time Brian Miloshosky and his Dad had arrived. I could not believe that anyone would brave a sandstorm to come out to this forsaken place. Tom offered to let me operate his radio, and I jumped at the chance. Mainly to get out of the wind. I

made about 10 or 12 qso's, and turned it over to Paul. He made a huge run, I think he made 16 qso's. The wind got worse. Soon all of the tents had blown down. We hurriedly tried to get them packed away.

Our plans were to stay over Saturday night and drive back to Albuquerque. But the wind was making conditions horrible. It was literally roaring, and there was no way that we could get a barbecue lit to cook steaks. Finally, we all decided to call it a day and head home. Paul went back to Socorro, Tim to Las Cruces, Tom, Brian and his dad went back to Albuquerque and Jay hauled Chuck and I to Albuquerque where we got a motel room. I couldn't wait to get into the shower and wash the dirt and grime off. When we finished showering, there was mud on the floor of the shower. It was really a treat to take a shower and sleep in a bed. But guys, even with everything that went wrong, flat tires, wind, broken glasses, wind, sleeping on rocks, wind, sand in everything, wind, we had all had a blast. Why? Because we were with friends. I made about 10 qso's that year. But I had so much fun I couldn't believe it. I have seen everyone of those people who were at that first QRP to the Field with a theme several times since. Tom became famous on this list as Spudgun Tom. He shows up at Ft. Tuthill almost every year with a new twist to his gun. A great guy. Brian Miloshosky was a 17 year old high school student. He later won several awards for young hams and he is an active member of this list. Chuck Adams is now K7QO and lives in Arizona. Tim Pettibone and his bride have moved to Stillwater, OK, and I just saw Tim a couple of weeks ago at Ft. Smith and Arkiecon. Tim, by the way made more than 50 qso's that day. Wow!! Jay Miller and his wife Judy still live in Albuquerque, and every time I see them at Ft. Tuthill, he brings up the "Wind", grin. Paul Harden has become one of my best buddies. Next year, I am going to make it a point to operate QRPTTF with Paul again, wherever he wants to go, I'll be there.

Since that time, Paul and I have operated at Area 51 (well sort of), the border of Texas, New Mexico and Mexico, and the border of California, Nevada and Arizona (again, well sort of). Every time we have had a ball.

I am sure that you can tell stories just like this and have memories of operating with your friends that will last a lifetime. If you don't, get out this Saturday and operate QRPTTF with a buddy or a group of guys. You can test your equipment, have a barbecue, try out that new antenna idea, and get ready for the real Field Day. But most of all, have some FUN!!!!!!!
72, Doug, KI6DS

Date: Tue, 22 Apr 2003 11:15:12 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <anthony@pacinfosb.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [149404] Re: T-line stub etc, was: Re: QRP-L digest 2897
Message-ID: <003401c308fb\$201b9d40\$0b02a8c0@WorkGroup>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The main problem that I have is drift within the first minute or so of turning on the TX. Since the life cycle of a T-hunt transmitter is to lie dormant for a long period, wake up, send out a few tones followed by a CW ID and then go dormant again, this is particularly troublesome.

Assuming that the temperature of the resonant element is staying relatively constant during the turnon period (since it is dissipating very little power and is physically massive), the drift effect must be caused by the active device changing characteristics as it heats up. The effect of this will be minimized by coupling the device loosely to a high-Q resonant circuit (which is why crystal oscillators are so stable).

One correspondent suggested a helical coil resonator. Sounds interesting; still searching for homebrew articles...

>
> The stability of the oscillator is probably less a function of Q than of
> component instability. The dimensional stability with temperature of the
> materials your stub is made of is worse than that of the LC components,
> all else being the same.
>

Nice ideas on using the PIC. Another correspondent pointed out that the frequency corrector is like the Huff-n-Puff frequency locked loop.

73 de ian, k3imw/6

Date: Tue, 22 Apr 2003 14:33:50 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [149405] Re: Balanced line question
Message-ID: <3EA58B0E.57B3D8CA@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Jerry Lofstead wrote:

> YUP, 75 OHM Twin Lead does exist ... It's the super narrow
> stuff..

I'm sure it has been asked here many times, but what would be the
characteristic impedance of things like say speaker wire or zip cords?

73,
--Alex KR1ST

Date: Tue, 22 Apr 2003 20:45:55 +0200
From: "Peter Zenker" <DL2FI@t-online.de>
To: <qrp-l@lehigh.edu>
Subject: [149406] New DL-QRP-AG Sparrow, english manual ready
Message-ID: <002401c308ff\$68fe12f0\$2500a8c0@dl2fi>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

It=B4s the sparrow, not Miss Mosquita, but ist ready to download. Miss
Mosquita will need some other weeks to be ready.

The sparrow is supposed to be the new Monobander Standard for us in
Germany.

It has bee designed for all bands 80 to 6m (40/30/20/17 are kitted,
80/15/10/6 hopefully will follow within the next 2 months)
Our sparrows is like any sparrow a clever little thing.=20

It has
5 Watt (actually we had to reduce some coupling factors because the
prototypes run up to 12 Watt)
90 dB oberall dynamic
0,1-03 uV sensitivity
And some other nice features.

I uploaded the original english manual to www.qrpproject.de/sparrow some
minutes ago.

I could do this thanks to to the help of Peter, OZ5DW who did a real nice translation of the German Manual. Isn't this great, QRP is really international HAM spirit

73 de DL2FI, Peter

DV Berlin im DARC e.V.

www.dl-qrp-ag.de

www.qrpproject.de

Date: Tue, 22 Apr 2003 13:50:40 -0500
From: Dave Hottell <hottell@gulftel.com>
To: kr1st@amsat.org,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149407] Re: Balanced line question
Message-ID: <3.0.6.32.20030422135040.00952860@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Alex,

Somewhere on the ARRL web site (I think) you will find where they measured zip cord. Can't remember where, but I have seen it on there or in one of their publications.

The impedance was OK, but the loss was pretty high. That said, I have heard of several people who have used it successfully. I personally know one fellow who worked a buddy on vacation in New Zealand using the stuff. If the propagation is good, antennas and feedlines are not all that important . . .

73 de Dave
ab9ca

At 02:33 PM 4/22/03 -0400, Alex wrote:

>Jerry Lofstead wrote:

>

>> YUP, 75 OHM Twin Lead does exist ... It's the super narrow

>> stuff..

>

>I'm sure it has been asked here many times, but what would be the
>characteristic impedance of things like say speaker wire or zip cords?
>
>73,
>--Alex KR1ST
>

Date: Tue, 22 Apr 2003 14:49:43 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149408] Re: Balanced line question
Message-ID: <3EA58EC7.4B27858B@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Found some answers to my question:

<http://www.qsl.net/wd8rif/text/zipcord.txt>

73,
--Alex KR1ST

Alex wrote:

> I'm sure it has been asked here many times, but what would be the
> characteristic impedance of things like say speaker wire or zip cords?

Date: Tue, 22 Apr 2003 15:00:11 -0400
From: brewerj@squared.com
To: QRP-L@lehigh.edu
Subject: [149409] re:more on ads
Message-ID: <0FE60EA7AF.3A381646-0N85256D10.0067DB17@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Bruce sez:
(snip)

".... for the adoption of SSB was the reduced bandwidth requirements. I have been around ham radio since the 50's, and can remember the days when guys went to extremes to build mini-broadcast station in their homes to have the nicest sounding AM stations on the band. Nothing like 6 or more kcs of AM with a KW behind it, if you

liked phone! Sorry to say I never experienced it! long live CW..."

You can experience it now! Listen on 3885 almost any evening or 7290, and take a look at some of the stations on the webpage below... an example might be:

<http://www.amwindow.org/pix/htm/w6bm.htm>

or just browse:

<http://www.amwindow.org/pix/htm/pix.htm>

: -)

72 es 74,
(is it a RockMite or Globe King night? Hmmm...)

John K5M0

Date: Tue, 22 Apr 2003 15:07:24 -0400
From: "Gordon Saunders" <kw4cz@triad.rr.com>
To: "QRP-L POST" <qrp-l@lehigh.edu>
Subject: [149410] QRPp Books For Sale
Message-ID: <004d01c30902\$68b542c0\$ab8b1a42@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 8bit

Books For Sale
Sold as ONE LOT ONLY
\$50.00 plus \$6.00 shipping over \$6.00 in shipping to your QTH (Lower 48 only)...I pay.
Outside of 48 states and DX .. will have to calculate with US Post Office.
QRPp Vol. 7 1999 4 issues ... Spring - Winter
QRPp Vol. 6 1998 4 issues Spring - Winter
QRPp Vol. 4 1996 4 issues ... Bound into book form ... Spring - Winter
QRP Homebrewer (NJQRP) Vol. 1 No. 1 Fall 1999
Data Book for Homebrewers and QRPers (First Ed.) By Paul Harden NA5N
Note: Book is autographed by Paul to me with my OLD Callsign.

Solid State QRP Projects by Ed M. Noll W3FQJ
ARRL s Wire Antenna Classics ... by ARRL First Book 1999

Gordon KW4CZ
Greensboro, NC

Date: Tue, 22 Apr 2003 15:31:36 -0400
From: "KB9BVN" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [149411] Very Bizarre Hamvention Fun
Message-ID: <000701c30905\$cb618c00\$4505020a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://ka8ddz.lakeoriongroup.com/rainbowbak3.html>

This is funny, weird, but funny.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Tue, 22 Apr 2003 15:42:24 -0400 (EDT)
From: "n2cx" <n2cx@voicenet.com>
To: qrp-l@lehigh.edu
Cc: ki6ds@dph.dpol.net
Subject: [149412] Riley the First Time, A QRP Adventure
Message-ID: <200304221942.h3MJg0a17950@email1.voicenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

Doug,

So you mean to say that there's at least QTTF site you actually

DID go to? :-0

Hmm, maybe condx there are the reason for your later reluctance...

72/73,

Joe E., N2CX

Date: Tue, 22 Apr 2003 14:46:19 -0500
From: "Karl" <kkanalz@gcecis.com>
To: <ianmwilson@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149413] Re: T-line stub etc, was: Re: QRP-L digest 2897
Message-ID: <006801c30907\$d8ffa700\$b81a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, Ian, thinking about your problem(s) of long-term stability, the cost of your experiments (never mind your personal time at 50 cents an hour!), it seems to me that by now you could have more than afforded a stable quartz crystal for your "Fox Hunt Transmitter"! They just aren't THAT expensive, you know!

Yeah, yeah.... I know, the value of experimentation et cetera.....

Karl K - W8TIF
McKinney, Texas

----- Original Message -----

From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, April 22, 2003 1:15 PM
Subject: Re: T-line stub etc, was: Re: QRP-L digest 2897

> The main problem that I have is drift within the first minute or so of
> turning on the TX. Since
> the life cycle of a T-hunt transmitter is to lie dormant for a long
> period, wake up, send out a
> few tones followed by a CW ID and then go dormant again, this is
> particularly troublesome.
>
> Assuming that the temperature of the resonant element is staying

relatively constant during
> the turnon period (since it is dissipating very little power and is
physically massive), the drift
> effect must be caused by the active device changing characteristics as it
heats up. The effect
> of this will be minimized by coupling the device loosely to a high-Q
resonant circuit (which is
> why crystal oscillators are so stable).
>
> One correspondent suggested a helical coil resonator. Sounds interesting;
still searching for
> homebrew articles...<snip>

Date: Tue, 22 Apr 2003 15:22:35 -0500
From: "George, W5YR" <w5yr@att.net>
To: <kr1st@amsat.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [149414] Re: Balanced line question
Message-ID: <011301c3090c\$ea3e39f0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"It all depends" Alex.

First, there is no universal standard for "zip cord." We all know what it looks like and what to call it, but the insulation can be made of anything and the Zo and loss can vary all over the lot. Generally for 80 and 40 and lengths up to maybe 20-30 feet, operation is acceptable, but some tuning probably would be required. Remember that sticking a 50-ohm SWR meter into such a line does not mean that it will read correctly.

Haven't seen an 72-ohm twinlead since the mid-40's when it was popular to feed dipoles before coax became so plentiful and cheap. Lossy stuff, though, at the higher HF frequencies I bet.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "Alex" <kr1st@amsat.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, April 22, 2003 1:33 PM

Subject: Re: Balanced line question

> Jerry Lofstead wrote:

>

> > YUP, 75 OHM Twin Lead does exist ... It's the super narrow

> > stuff..

>

> I'm sure it has been asked here many times, but what would be the

> characteristic impedance of things like say speaker wire or zip cords?

>

> 73,

> --Alex KR1ST

Date: Tue, 22 Apr 2003 13:42:22 -0700

From: "Ian Wilson" <ianmwilson@earthlink.net>

To: <kkanalz@gcecispc.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [149415] Re: T-line stub etc, was: Re: QRP-L digest 2897

Message-ID: <000e01c3090f\$ae8950e0\$0b02a8c0@WorkGroup>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Karl,

This is certainly true. However, I keep finding that I have a need for spot frequency sources for projects (e.g. a 6m monitor, this Foxhunt TX, etc.) and am still looking for a good compromise solution that doesn't require either a delay in ordering an xtal, or significant complexity (like DDS + PIC).

I'm guessing that the answer lies in finding a flexible prescaler/divider combination together with a 'popcorn' PLL.

73 de ian, K3IMW/6

ps. At the moment I'm having fun cobbling together odd projects from a mongrel parts collection, so I don't mind the 0.50/hour cost .. now who do I pay it to again?

Date: Tue, 22 Apr 2003 16:14:50 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [149416] For Sale = Norcal 20 rig
Message-ID: <4120034222211450583@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

I am among the company of those who have lost their jobs, so now comes the process of downsizing. Hate to part with anything, but reality is that something has to go.

For Sale = excellent Norcal 20 transceiver. This is the original club offering, now having dual voltage regulation. This rig has one of the sweetest sounding receivers around, one you can listen to all day. Frequency coverage = 14.003-14.084 with 5 full watts output. Includes built-in keyer and frequency annunciator. Has more than enough audio power to drive a speaker to room-filling levels.

Price only \$135.00 which includes insured shipping to your CONUS address. Includes written documentation. This little rig will make someone an terrific 20 Metre rig.

73,
--Doc/K0EVZ

End of QRP-L Digest 2898
